

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 07063114
PUBLICATION DATE : 07-03-95

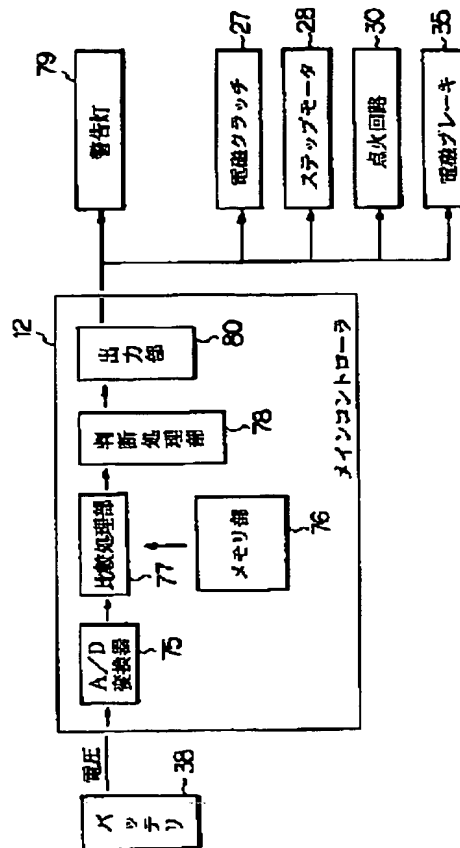
APPLICATION DATE : 30-08-93
APPLICATION NUMBER : 05213877

APPLICANT : YAMAHA MOTOR CO LTD;

INVENTOR : UCHINO TAKASHI;

INT.CL. : F02D 45/00 A63B 55/08 F02N 11/08
G05B 9/02 G05D 1/02 H02J 7/00

TITLE : BATTERY DETERIORATION ALARM
DEVICE FOR VEHICLE



ABSTRACT : PURPOSE: To provide a battery deterioration alarm device for a vehicle in which prior to occurrence of system failure, the use is alarmed for deterioration of a battery so that appropriate steps, such as inspection of the battery can be taken.

CONSTITUTION: Battery voltage V in a vehicle is detected at least in vehicle starting. When the value V is out of a predetermined range (between an upper limit value V_{max} and a lower limit value V_{min}), a step of abnormality is indicated. Thus, a battery deterioration alarm device for a vehicle is constituted, including a main controller 12 for indicating an alarm step when the value is below a set value V_{low} in the predetermined range. Accordingly, prior to occurrence of system failure, an appropriate step stop of abnormality, or step of alarm) is taken, depending on state of battery deterioration, so that the occurrence of vehicle uncontrollable state due to system failure is prevented.

COPYRIGHT: (C)1995,JPO